Presentation for Sino-U.S. Workshop

GEF/WB ASSISTED CHINA RENEWABLE ENERGY DEVELOPMENT PROJECT

Project Management Office(PMO)

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GEF/WB ASSISTED CHINA RENEWABLE ENERGY DEVELOPMENT PROJECT

- --Implementation period:
- * Five years
- --World Bank and GEF financing:
- * Wold Bank Loan: US\$ 100 million
- * GEF grant: US\$ 35 million
- --Subcomponents of the project:
- * A. Windfarm Development Component
- * B. Solar PV Market Development Component
- * C. Technology Improvement Program

A. Windfarm Development Component (1) - Investment

Windfarm Companies (subsidiaries of SP and provincial/municipal power companies) will install 190 MW of windfarms at five sites:

- Huitingxile, Inner Mongolia (100 MW)
- Zhangbei, Hebei Province (50 MW)
- Pingtan, Fujian Province (20 MW)
- Nanhui, Shanghai Municipality (6 MW)
- * Chongming Island, Shanghai Municipality (14 MW)

A. Windfarm Development Component (2) -- Institutional Strengthening

GEF-assisted TA and capacity building would be provided to staff of SP, the Windfarm Companies, and others to overcome barriers to windfarm development in the following areas

- Private Sector Development of Windfarms in China
- Collection, Analysis, and Dissemination of Performance Data for Windfarms
- Financial Management and Organizational Structure Assistance
- Engineering, Construction Management, and O&M Management Services
- Capacity Building

B. Solar PV Market Development Component (1)

- * Providing direct grants to PV system companies
- * Market Development Program
- * Strengthening institutional capacity for product quality assurance and project implementation

B. Solar PV Market Development Component (2) --Direct grant

- * 17 Pre-selected PV companies
- * Eligible PV products
- * Typical PV system configurations
- * Technical Specification
- * Target markets

B. Solar PV Market Development Component (3) --Investment (Continues)

The direct grant would assist companies to:

- (a) improve PV product quality;
- (b) improve warranties and after-sales service;
- (c) strengthen business capabilities; and
- (d) increase marketing efforts.
- *Competition among companies would be encouraged to reduce system costs and improve service

B. Solar PV Market Development Component (4)

-- Institutional Strengthening

- * capacity building for product quality assurance
- --- establishing national PV testing and certification centers;
- ---establishing national PV component and system standards;
- --- improving quality control procedures of PV equipment suppliers.
- * project implementation and management
- --- project monitoring
- --- project valuation.

C. Technology Improvement Program (1) --Investment

* Competitive Matching Grants

* Quick Response Matching Grants

* Production Investment Projects
Assisted by Loans

C. Technology Improvement Program (2) --Institutional strengthening

* Awareness Building and Program Support Activities

* Program Management Support